

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1.-35. (canceled)

36. (new) A vehicle control system comprising:

one or more vehicle components for adjusting secondary vehicle functions;

a module for grouping parameters together for each secondary vehicle function to form a vehicle control mode, the vehicle control mode being selectable by a vehicle occupant such that the vehicle occupant is capable of specifying parameters for a selected vehicle control mode, wherein the vehicle control mode comprises a communication mode in which the vehicle occupant specifies parameters related to a telephone located in a vehicle passenger compartment;

a dialog-based speech recognition component adapted to respond to voice commands from the vehicle occupant, the speech recognition component is further adapted to enter into the communications mode and to communicate with the one or more vehicle components associated with each vehicle control mode, wherein the speech recognition component comprises:

a first translating component adapted to translate a voice command from a vehicle occupant into a form which communicates a control signal to the one or more vehicle components and specifies which vehicle control mode to enter into;

a prompting component adapted to prompt the vehicle occupant in audio to input information for entering into the communications mode if additional information is needed than the information contained in the voice command, to input information for specifying a particular vehicle parameter for the communications mode if additional information is needed than the information contained in the voice command and to input information to disambiguate between a plurality of matching data by prompting the vehicle occupant to select a particular set of data from the matching data while in the communications mode;

a second translating component adapted to translate the information received from the vehicle occupant in response to the prompting component prompting the vehicle occupant to input information so that the received information is translated into a form which communicates a control signal to the one or more secondary vehicle components; and

a human machine interface adapted to communicate with the one or more vehicle components, the human machine interface is capable of communicating in combination with and separate from the speech recognition component.

37. (new) The vehicle control system of claim 36 wherein the selected vehicle control mode is selectable by the vehicle occupant interacting with the human machine interface.

38. (new) The vehicle control system of claim 36 wherein the vehicle control mode further comprises at least one of:

an entertainment mode in which the vehicle occupant specifies parameters that control a vehicle entertainment system;

a navigation mode in which the vehicle occupant specifies parameters related to vehicle position;

a climate control mode in which the vehicle occupant specifies parameters that adjust the climate in the vehicle passenger compartment; and

a vehicle systems mode in which the vehicle occupant specifies parameters related to the vehicle control system or any other predetermined vehicle parameter.

39. (new) The vehicle control system of claim 38 wherein the first translating component is adapted to translate the voice command from a vehicle occupant into a form which communicates a control signal to the one or more vehicle components and to specify which of at least one of the climate control mode, the entertainment mode, the navigation mode, the communications mode and the vehicle systems mode to enter into.

40. (new) The vehicle control system of claim 39 wherein the prompting component is adapted to prompt the vehicle occupant in audio to input information to enter into the at least one of the climate control mode, the entertainment mode, the navigation mode, the communications mode and the vehicle systems mode if additional information is needed than the information contained in the voice command and to input information specifying a particular vehicle mode parameter for the at least one of the climate control mode, the entertainment mode, the navigation mode, and the vehicle system mode if additional information is needed than the information contained in the voice command.

41. (new) The vehicle control system of claim 36 wherein the speech recognition component comprises a central processing unit adapted to execute a sequence of computer commands that translates the voice command into a signal that is communicatable to the one or more system components.

42. (new) The vehicle control system of claim 36 wherein the human machine interface comprises at least one of a touch panel display, a switch, a capacitive sensor, a resistive sensor, a wheel, a knob, and a camera.

43. (new) The vehicle control system of claim 36 wherein:
the vehicle control system further comprises an interfacing electronics system for providing a primary control analog or digital signal to the one or more vehicle components; and
the speech recognition component comprises a translating component for translating the voice command into a secondary control digital or analog signal which is provided to the interfacing electronics system.

44. (new) The vehicle control system of claim 36 wherein:
the vehicle control system further comprises an interfacing electronics system for providing a primary control analog or digital signal to the one or more vehicle components; and

the human machine interface comprises a translating component for translating the voice command into a secondary control digital or analog signal which is provided to the interfacing electronics system.

45. (new) The vehicle control system of claim 36 wherein the system is adapted to provide feedback to the vehicle occupant that the vehicle occupant entered into the communications mode by performing at least one of audibly stating the particular mode that is entered into with the prompting component, lighting an indicator, and generating text on a screen.

46. (new) The vehicle control system of claim 40 wherein the system is adapted to provide feedback to the vehicle occupant that the vehicle occupant entered into the at least one of the entertainment mode, the navigation mode, the climate control mode and the vehicle system mode by performing at least one of audibly stating the particular mode that is entered into with the prompting component, lighting an indicator, and generating text on a screen.

47. (new) The vehicle control system of claim 40 wherein the prompting component is further adapted to prompt the vehicle occupant in audio to select a particular address from a number of matching addresses while in the navigation mode.

48. (new) The vehicle control system of claim 36 wherein the prompting component is further adapted to prompt the vehicle occupant in audio to select a particular phone number from a number of matching phone numbers while in the communication mode.

49. (new) A vehicle control system comprising:
one or more vehicle components for adjusting secondary vehicle functions;
a module for grouping parameters together for each secondary vehicle function to form a vehicle control mode, the vehicle control mode being selectable by a vehicle occupant such that the vehicle occupant is capable of specifying parameters for a selected

vehicle control mode, wherein the vehicle control mode comprises a communications mode in which the vehicle occupant specifies parameters related to a telephone located in a vehicle passenger compartment;

a dialog-based speech recognition component adapted to respond to voice commands from a vehicle occupant, the speech recognition component is further adapted to enter into the communications mode and to communicate with the one or more vehicle components associated with each vehicle control mode, wherein the speech recognition component comprises:

a first translating component adapted to translate a voice command from a vehicle occupant into a form which communicates a control signal to the one or more vehicle components and specifies which vehicle control mode to enter into;

a prompting component adapted to prompt the vehicle occupant in audio to input information for entering into the communications mode if additional information is needed than the information contained in the voice command, to input information for specifying a particular vehicle parameter for the communications mode if additional information is needed than the information contained in the voice command, and to input information to disambiguate between a plurality of matching data by prompting the vehicle occupant to select a particular set of data from the matching data while in the communications mode; and

a second translating component adapted to translate the information received from the vehicle occupant in response to the prompting component prompting the vehicle occupant to input information so that the information received is translated into a form which communicates a control signal to the one or more secondary vehicle components associated with the selected vehicle mode.

50. (new) The vehicle control system of claim 49 wherein the vehicle control mode further comprises at least one of;

an entertainment mode in which the vehicle occupant specifies parameters that control a vehicle entertainment system;

a navigation mode in which the vehicle occupant specifies parameters related to vehicle position;

a climate control mode in which the vehicle occupant specifies parameters that adjust the climate in the vehicle passenger compartment; and

a vehicle systems mode in which the vehicle occupant specifies parameters related to the vehicle control system or any other predetermined vehicle parameter.

51. (new) The vehicle control system of claim 50 wherein the first translating component is adapted to translate the voice command from a vehicle occupant into a form which communicates a control signal to the one or more vehicle components and to specify which of the at least one of the climate control mode, the entertainment mode, the navigation mode, communications mode and the vehicle systems mode to enter into.

52. (new) The vehicle control system of claim 51 wherein the prompting component is adapted to prompt the vehicle occupant in audio to input information to enter into the at least one of the climate control mode, the entertainment mode, the navigation mode, and the vehicle systems mode if additional information is needed than the information contained in the voice command and to input information specifying a particular vehicle mode parameter for the at least one of the climate control mode, the entertainment mode, the navigation mode, the communications mode and the vehicle system mode if additional information is needed than the information contained in the voice command.

53. (new) The vehicle control system of claim 49 wherein the speech recognition component comprises a central processing unit adapted to execute a sequence of computer commands that translates the voice command into a signal that is communicatable to the one or more system components.

54. (new) The vehicle control system of claim 49 wherein:

the vehicle control system further comprises an interfacing electronics system for providing a primary control analog or digital signal to the one or more vehicle components; and

the speech recognition component comprises a translating component for translating the voice command into a secondary control digital or analog signal which is provided to the interfacing electronics system.

55. (new) The vehicle control system of claim 49 wherein the system is adapted to provide feedback to the vehicle occupant that the vehicle occupant entered into the at least one of the communications mode by performing at least one of audibly stating the particular mode that is entered into with the prompting component, lighting an indicator, and generating text on a screen.

56. (new) The vehicle control system of claim 52 wherein the system is adapted to provide feedback to the vehicle occupant that the vehicle occupant entered into the at least one of entertainment mode, the navigation mode, the climate control mode and the vehicle system mode by performing at least one of audibly stating the particular mode that is entered into with the prompting component, lighting an indicator, and generating text on a screen.

57. (new) The vehicle control system of claim 52 wherein the prompting component is further adapted to prompt the vehicle occupant in audio to select a particular address from a number of matching addresses while in the navigation mode.

58. (new) The vehicle control system of claim 49 wherein the prompting component is further adapted to prompt the vehicle occupant in audio to select a particular phone number from a number of matching phone numbers while in the communication mode.

59. (new) A method for controlling secondary vehicle functions, the method comprising:

adjusting secondary vehicle functions with one or more vehicle components;
grouping parameters together for each secondary vehicle function to form a vehicle control mode, the vehicle control mode being selectable by a vehicle occupant such that the vehicle occupant is capable of specifying parameters for a selected vehicle control mode, wherein the vehicle control mode comprises a communications mode in which the vehicle occupant specifies parameters related to a telephone located in a vehicle passenger compartment;

responding to voice commands from the vehicle component with a dialog-based speech recognition component, the speech recognition component is further adapted to enter into the communications mode and communicate with the one or more vehicle components associated with each vehicle control mode, wherein the speech recognition component comprises:

a first translating component adapted to translate a voice command from a vehicle occupant into a form which communicates a control signal to the one or more vehicle components and specifies which vehicle mode to enter into;

a prompting component adapted to prompt the vehicle occupant in audio to input information for entering into the communications mode if additional information is needed than the information contained in the voice command and to input information for specifying a particular vehicle parameter for the communications mode if additional information is needed than the information contained in the voice command, and to input information to disambiguate between a plurality of matching data by prompting the vehicle occupant to select a particular set of data from the matching data while in the communications mode;

a second translating component adapted to translate the information received from the vehicle occupant in response to the prompting component prompting the vehicle occupant to input information so that the received information is translated into a form which communicates a control signal to the one or more secondary vehicle components; and

communicating with the one or more vehicle components with a human interface machine, the human machine interface capable of communicating in combination with and separate from the speech recognition component.

60. (new) The method of claim 59 wherein the selected vehicle control mode is selectable by the vehicle occupant interacting with the human machine interface.

61. (new) The method of claim 59 wherein the vehicle control mode further comprises at least one of:

an entertainment mode in which the vehicle occupant specifies parameters that control a vehicle entertainment system;

a navigation mode in which the vehicle occupant specifies parameters related to vehicle position;

a climate control mode in which the vehicle occupant specifies parameters that adjust the climate in the vehicle passenger compartment; and

a vehicle systems mode in which the vehicle occupant specifies parameters related to the vehicle control system or any other predetermined vehicle parameter.

62. (new) The vehicle control system of claim 61 wherein the first translating component is adapted to translate the voice command from a vehicle occupant into a form which communicates a control signal to the one or more vehicle components and to specify which of the at least one of the climate control mode, the entertainment mode, the navigation mode, and the vehicle systems mode to enter into.

63. (new) The method of claim 62 wherein the prompting component is adapted to prompt the vehicle occupant in audio to input information to enter into the at least one of the climate control mode, the entertainment mode, the navigation mode, the communications mode and the vehicle systems mode if additional information is needed than the information contained in the voice command and to input information specifying a particular vehicle mode parameter for the at least one of the climate control mode, the

entertainment mode, the navigation mode, and the vehicle system mode if additional information is needed than the information contained in the voice command.

64. (new) The method of claim 59 wherein the speech recognition component comprises a central processing unit adapted to execute a sequence of computer commands that translates the voice command into a signal that is communicatable to the one or more vehicle components.

65. (new) The method of claim 59 wherein the human machine interface comprises at least one of a touch panel display, a switch, a capacitive sensor, a resistive sensor, a wheel, a knob, and a camera.

66. (new) The method of claim 59 further comprising an interfacing electronics system for providing a primary control analog or digital signal to the one or more vehicle components; and wherein the speech recognition component comprises a translating component for translating the voice command into a secondary control digital or analog signal which is provided to the interfacing electronics system.

67. (new) The method of claim 59 further comprising providing feedback to the vehicle occupant that the vehicle occupant entered into the communications mode by performing at least one of audibly stating the particular mode that is entered into with the prompting component, lighting an indicator, and generating text on a screen.

68. (new) The method claim 63 wherein the system is adapted to provide feedback to the vehicle occupant that the vehicle occupant entered into the at least one of the entertainment mode, the navigation mode, the climate control mode and the vehicle system mode by performing at least one of audibly stating the particular mode that is entered into with the prompting component, lighting an indicator, and generating text on a screen.

69. (new) The method of claim 63 wherein the prompting component is further adapted to prompt the vehicle occupant in audio to select a particular address from a number of matching addresses while in the navigation mode.

70. (new) The method of claim 59 wherein the prompting component is further adapted to prompt the vehicle occupant in audio to select a particular phone number from a number of matching phone numbers while in the communication mode.